**FIG. 1**

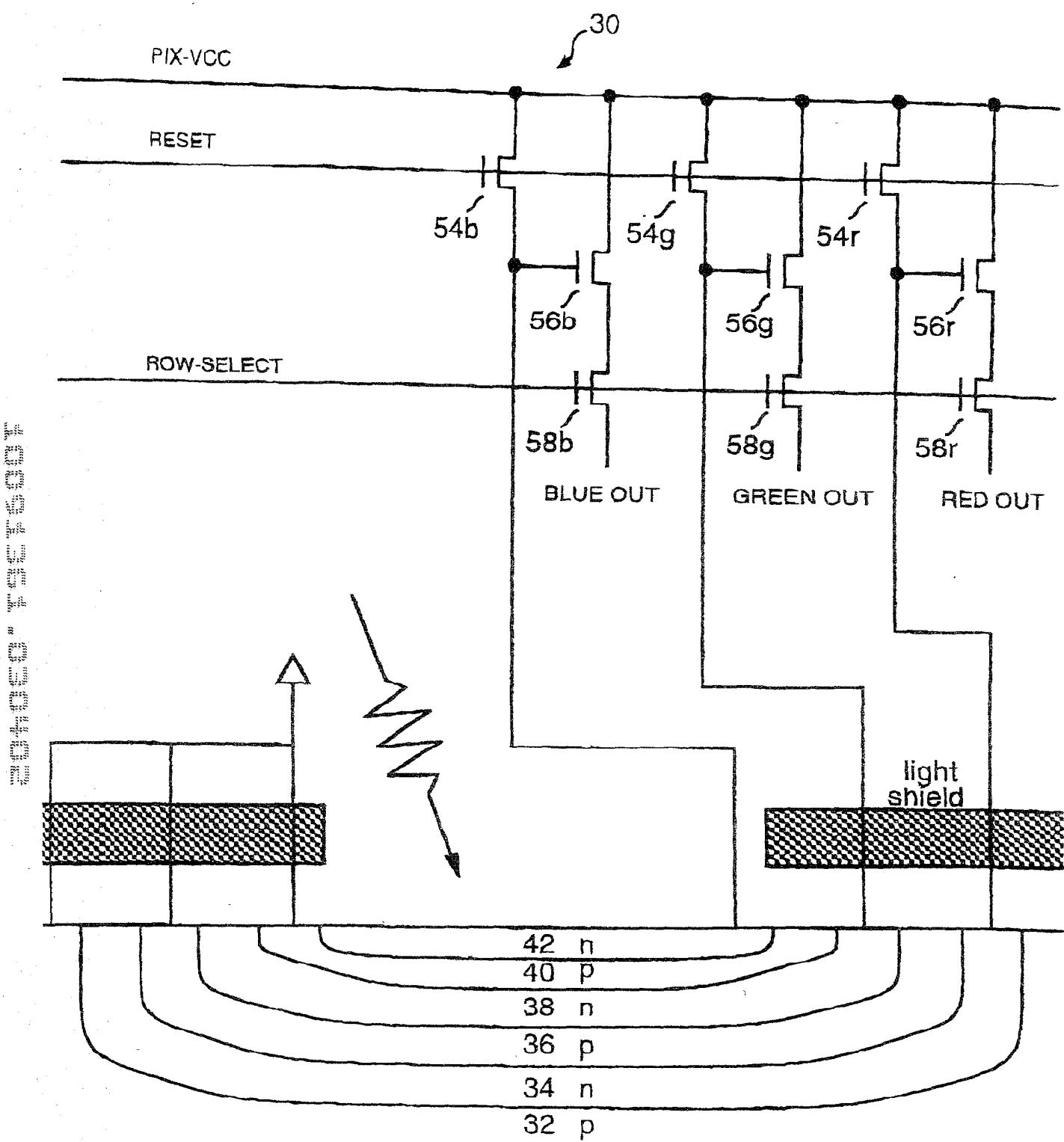


FIG. 2A

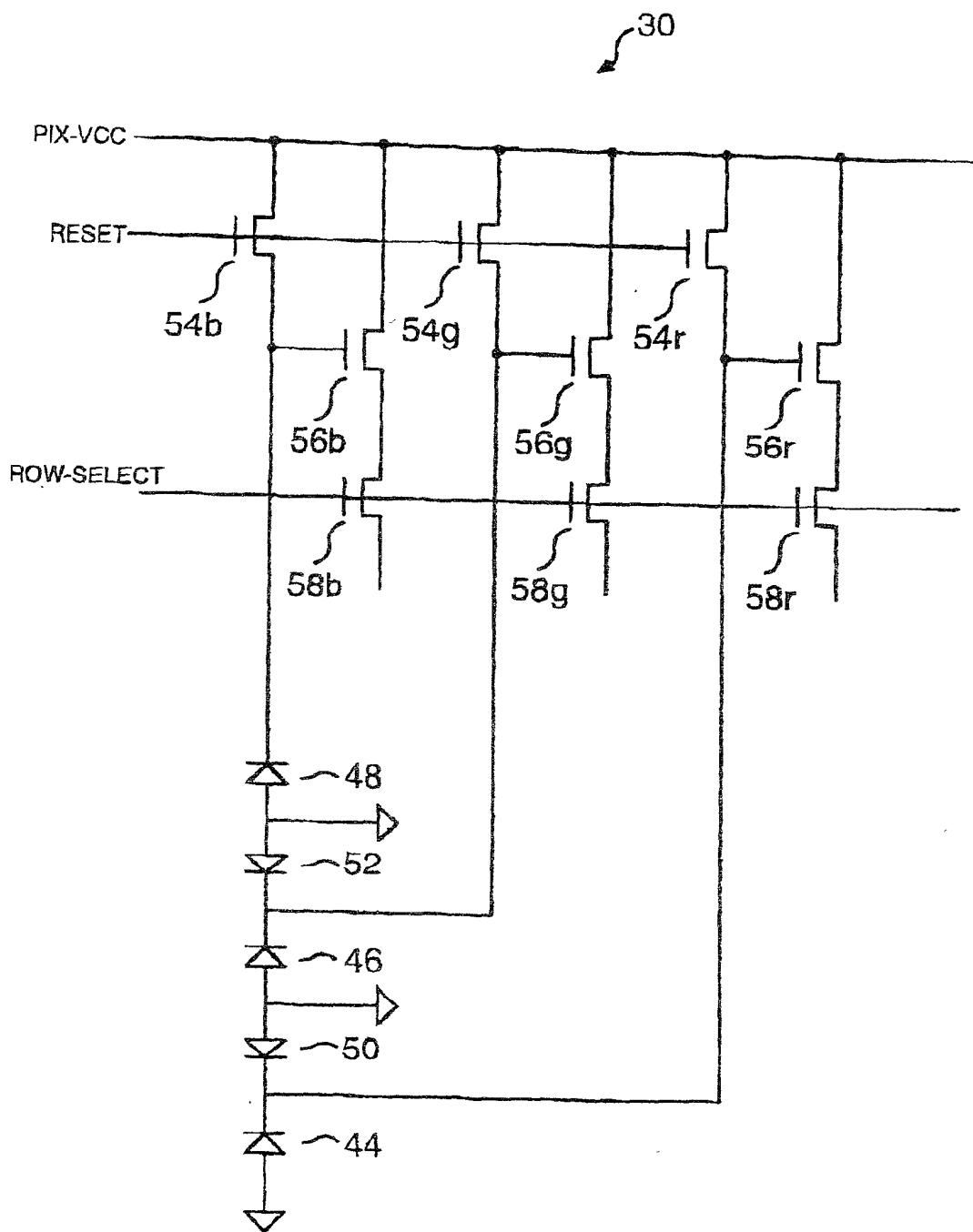


FIG. 2B

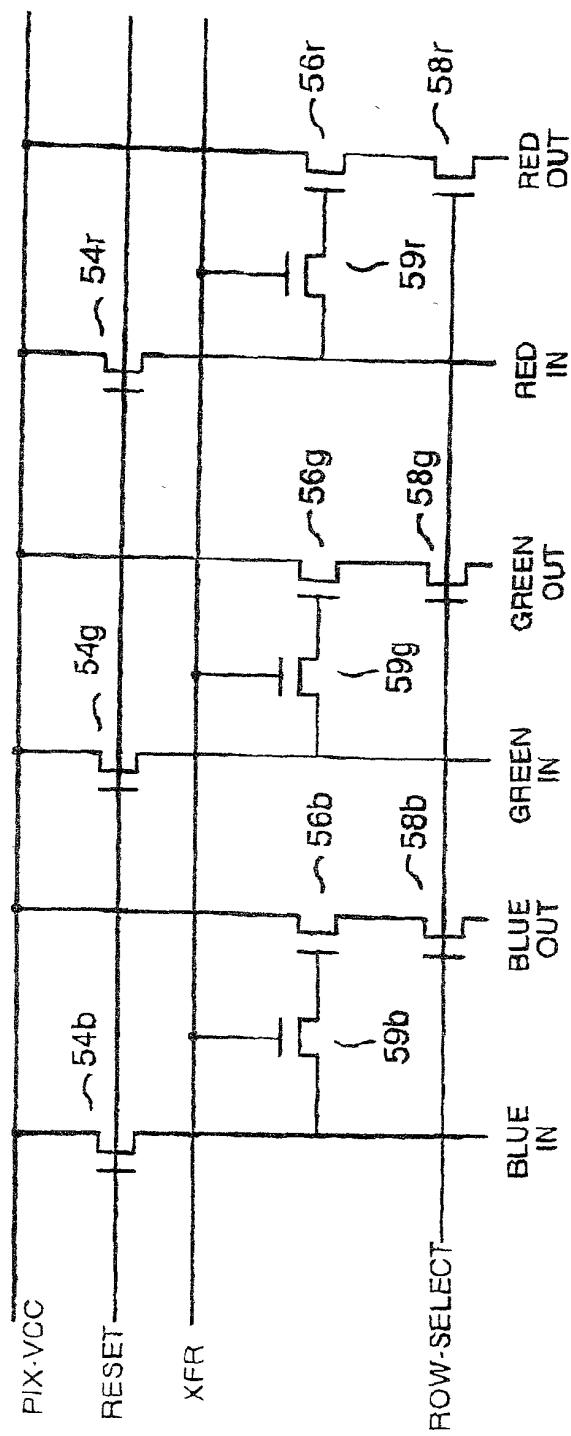


FIG. 2C

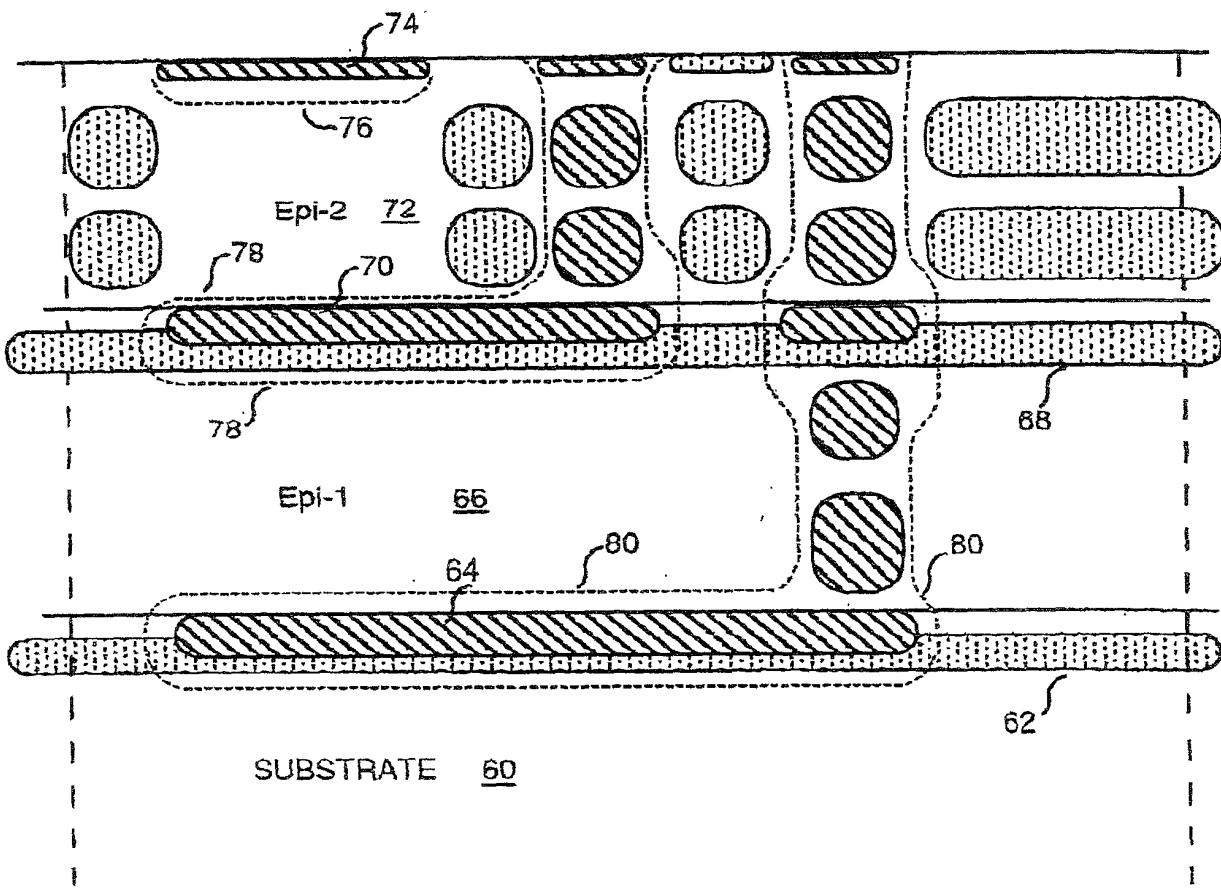
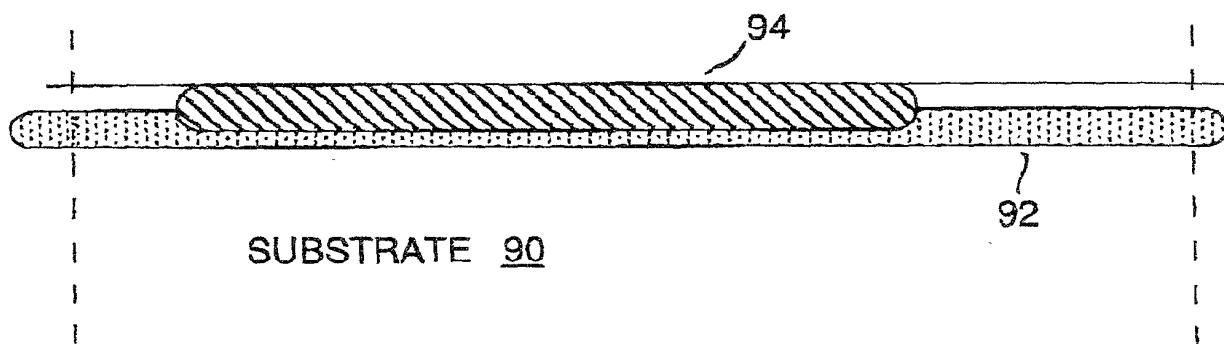


FIG. 3

**FIG. 4A**

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Docket No: FOV-053
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US
Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY
Attorney: Kenneth D'Alessandro
Sierra Patent Group, Ltd

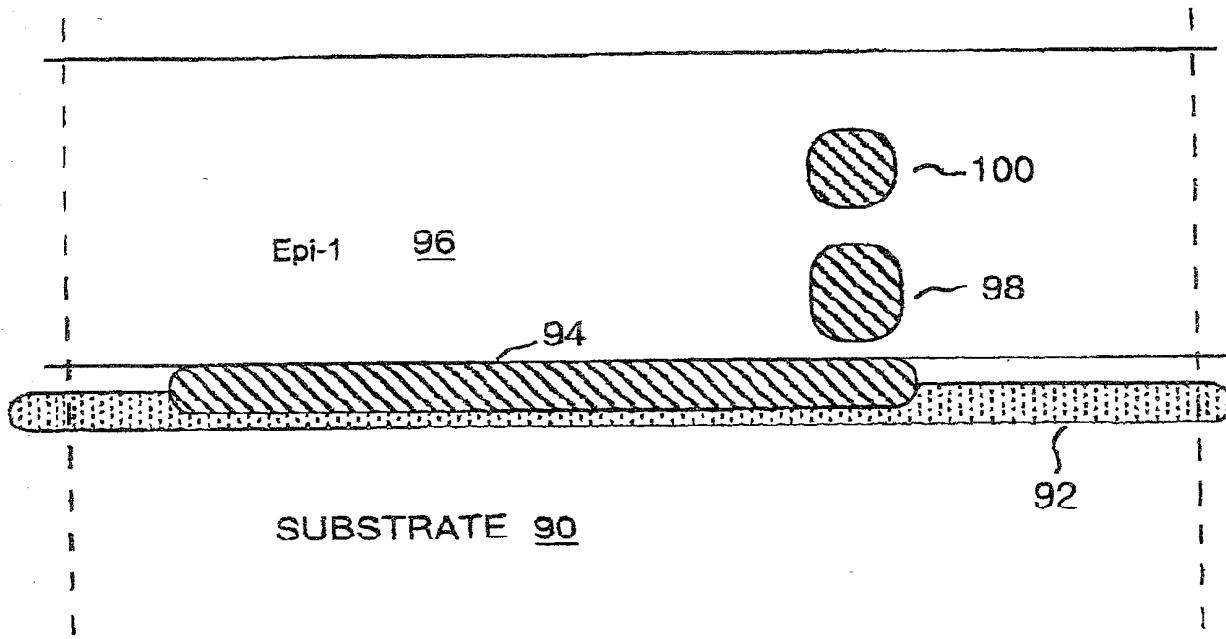


FIG. 4B

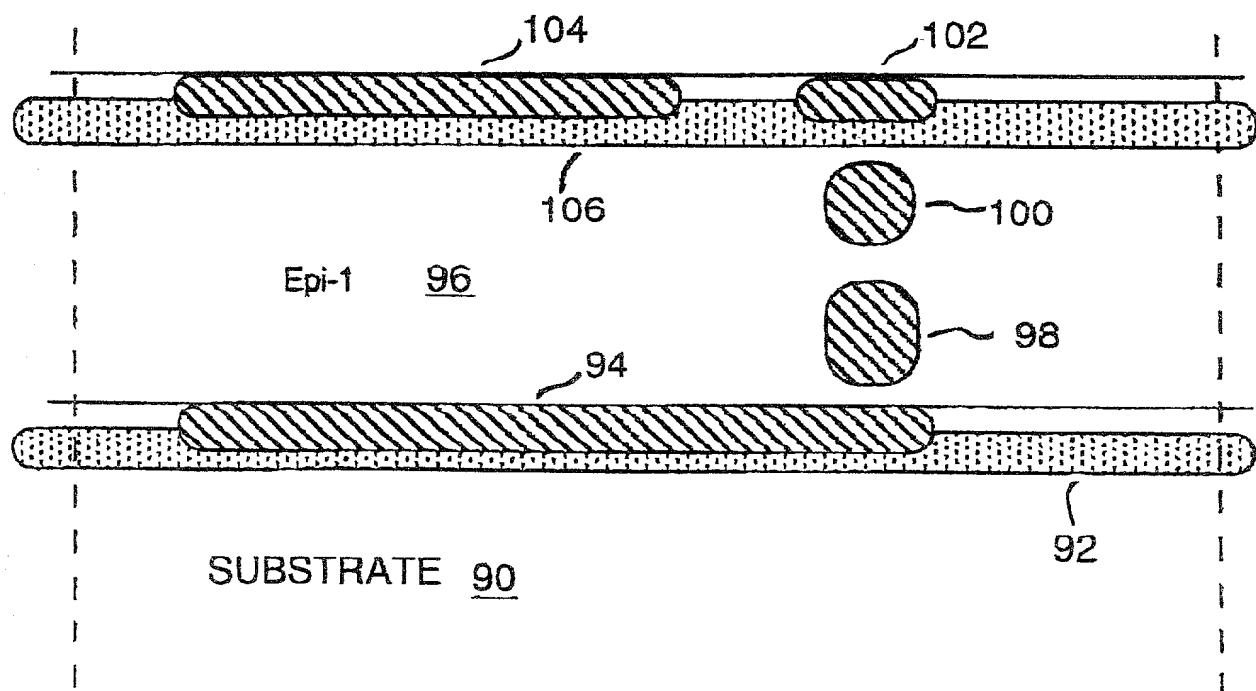


FIG. 4C

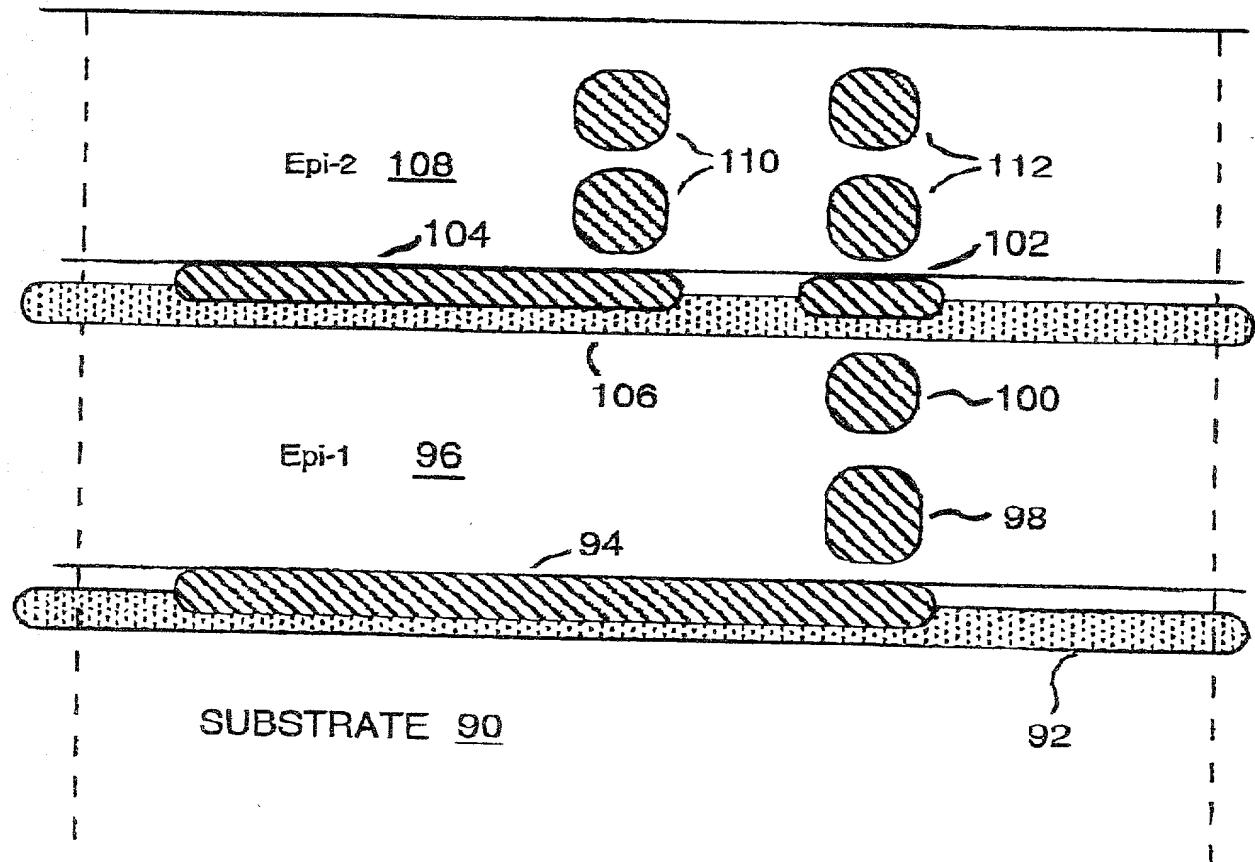


FIG. 4D

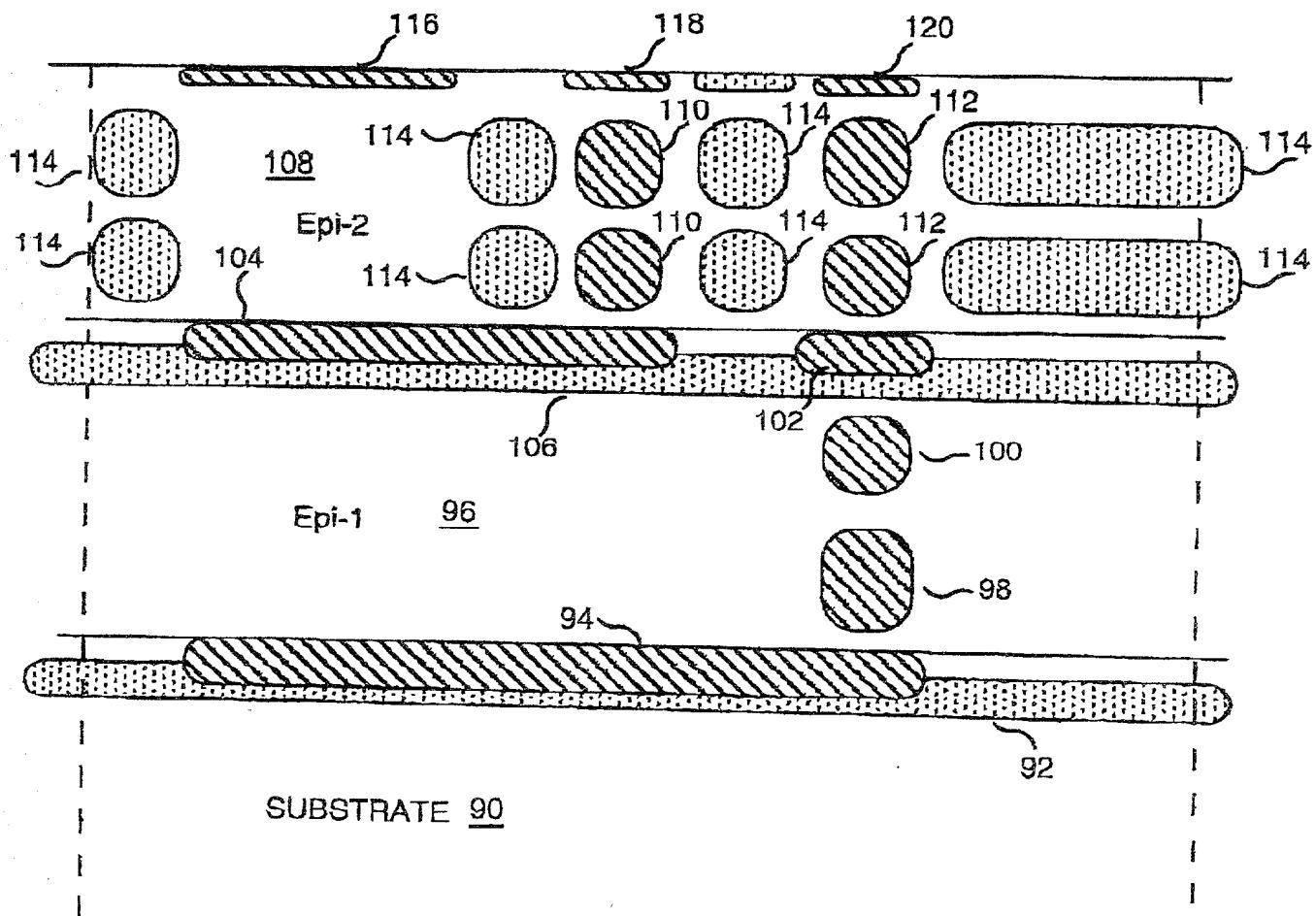


FIG. 4E

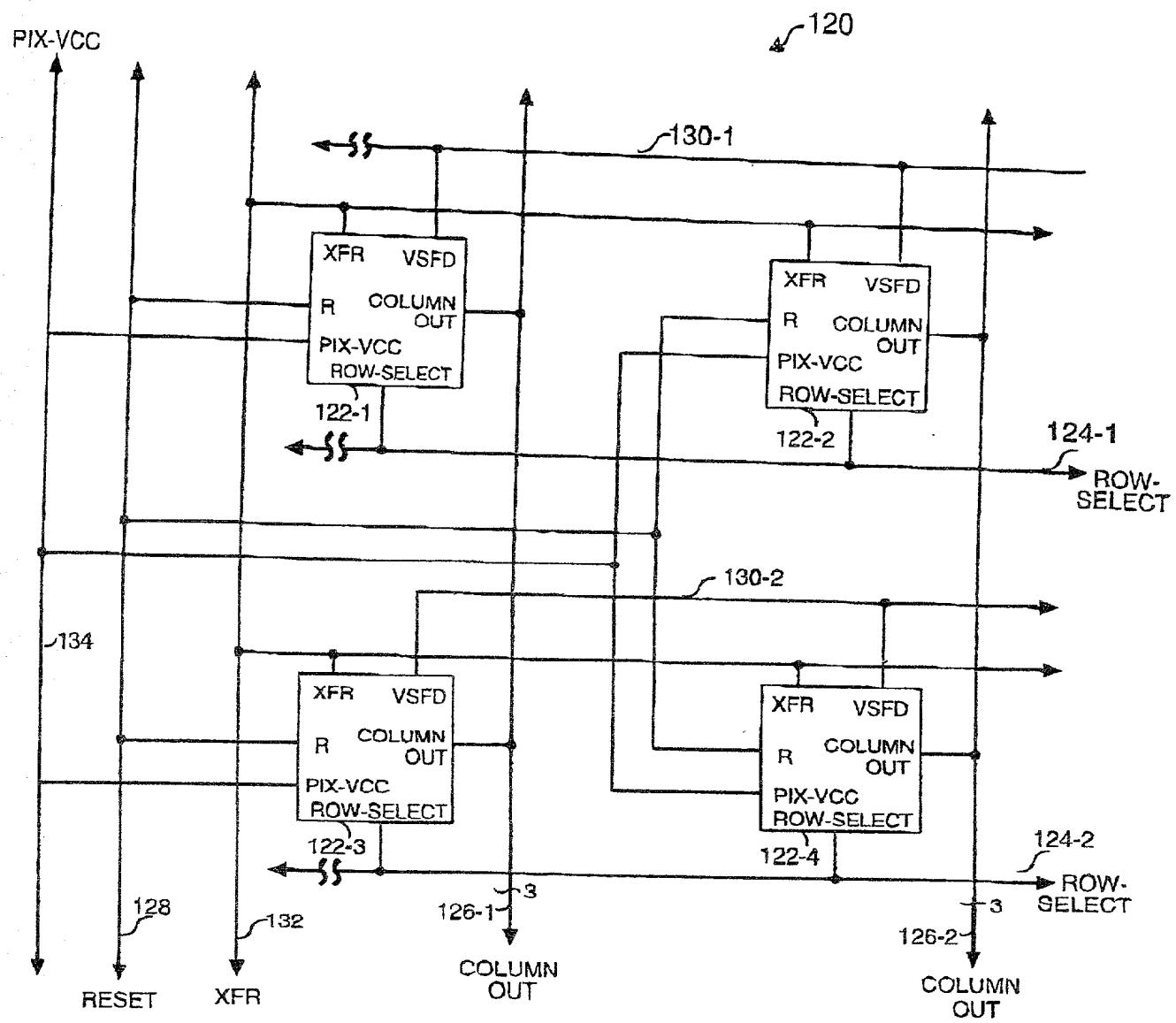


FIG. 5

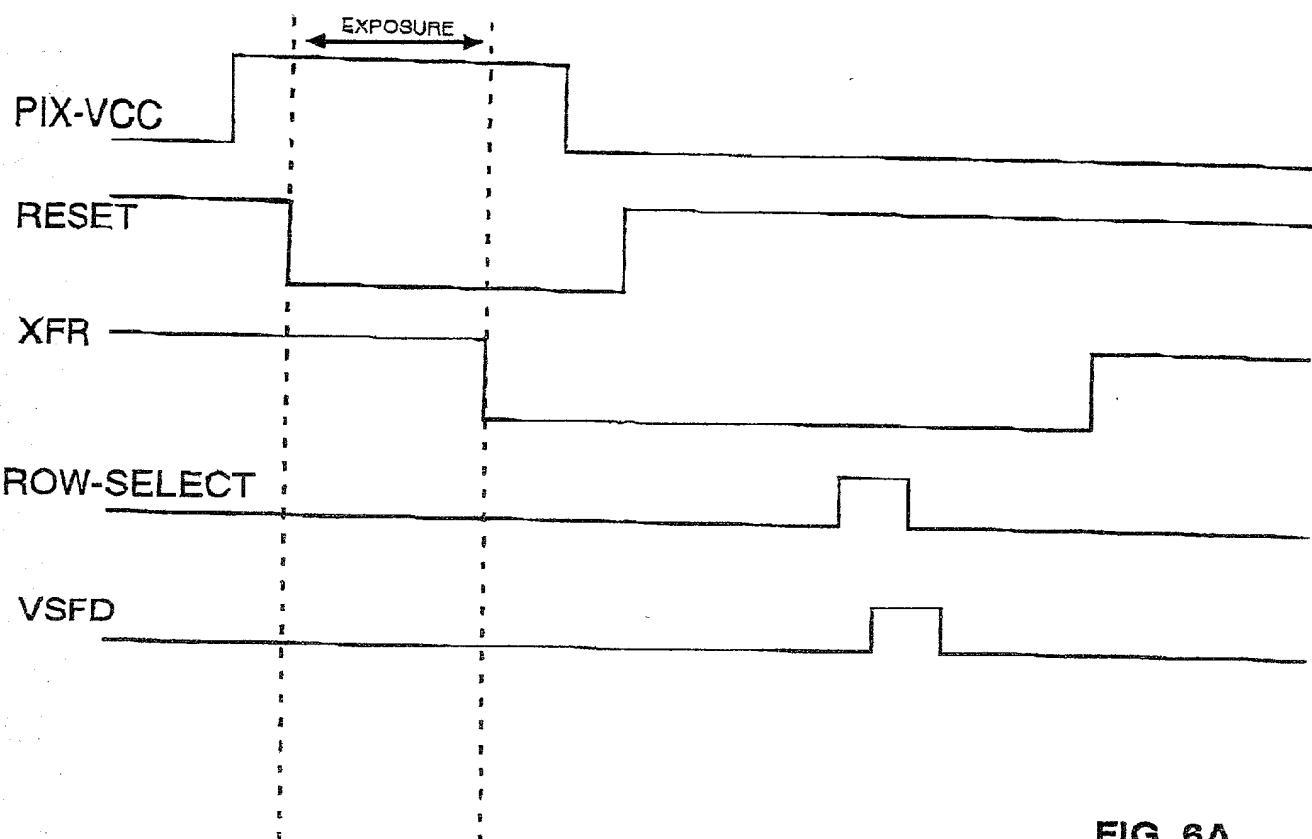


FIG. 6A

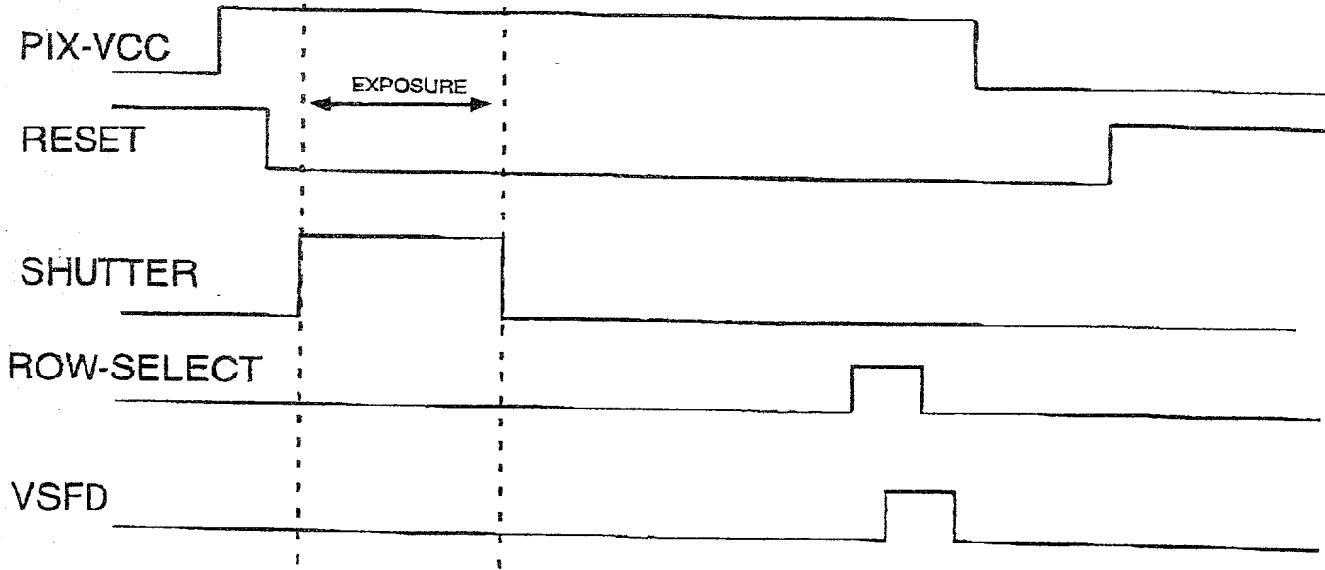


FIG. 6B

EJ650159895US

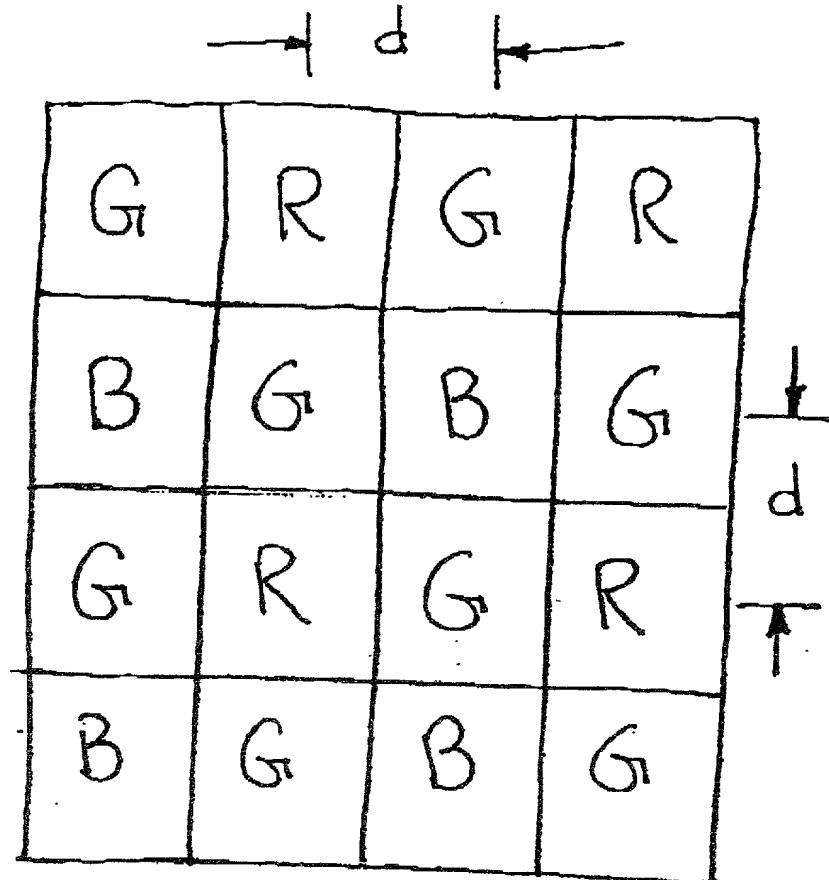
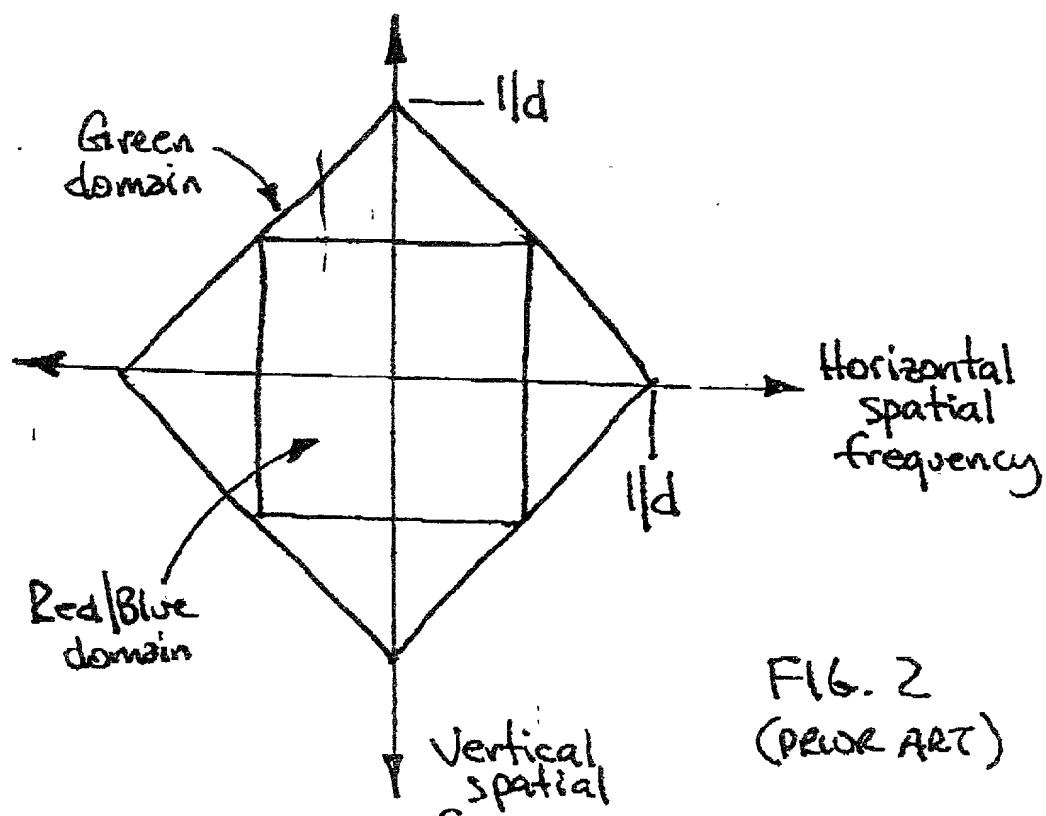
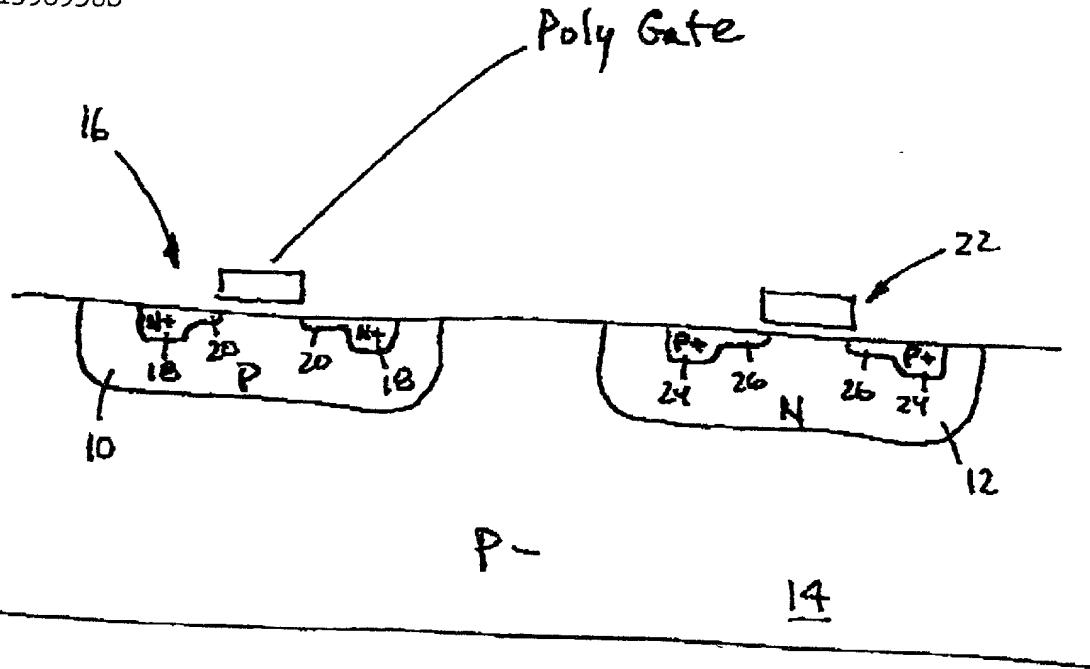
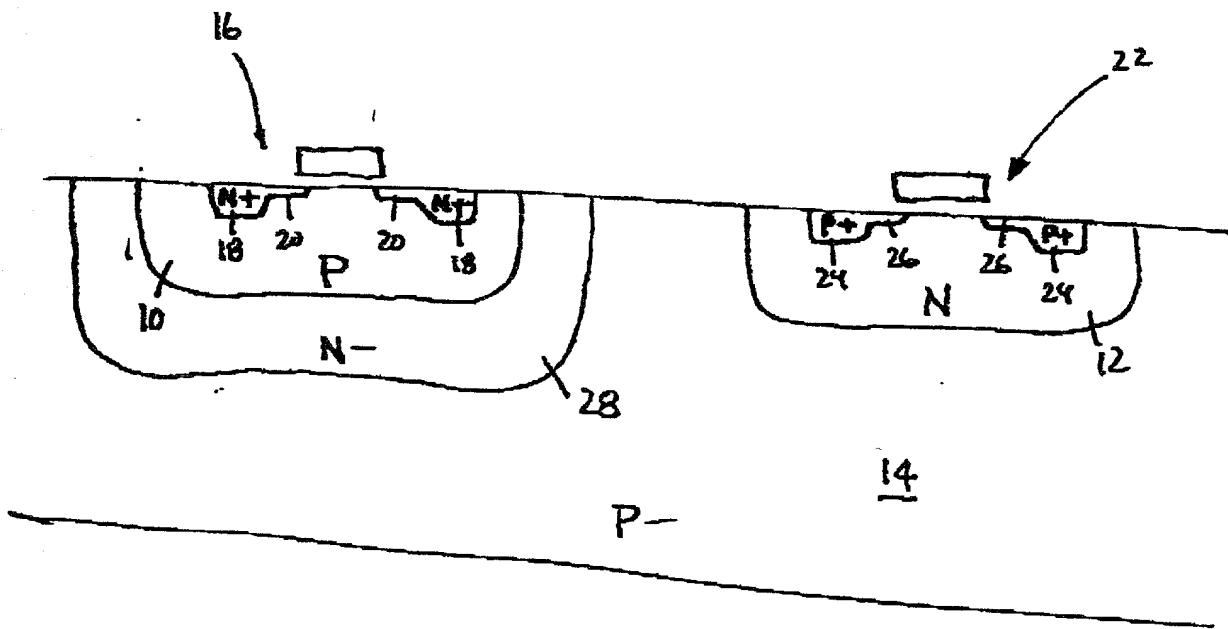


FIG. 1
(prior ART)



EJ650159895US

FIG. 3
(PRIOR ART)FIG. 4
(PRIOR ART)

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EJ650159895US

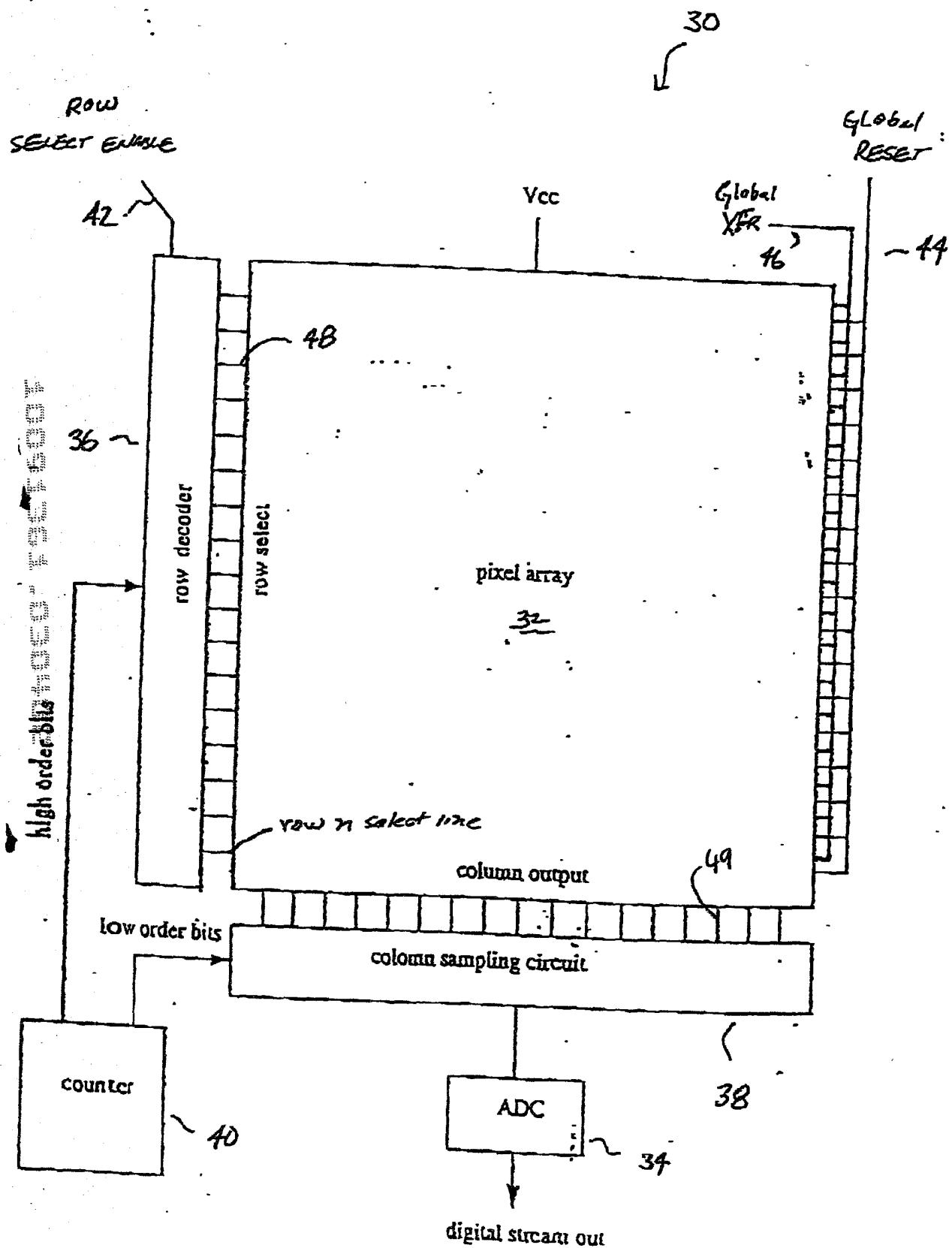


FIG 5

EJ650159895US

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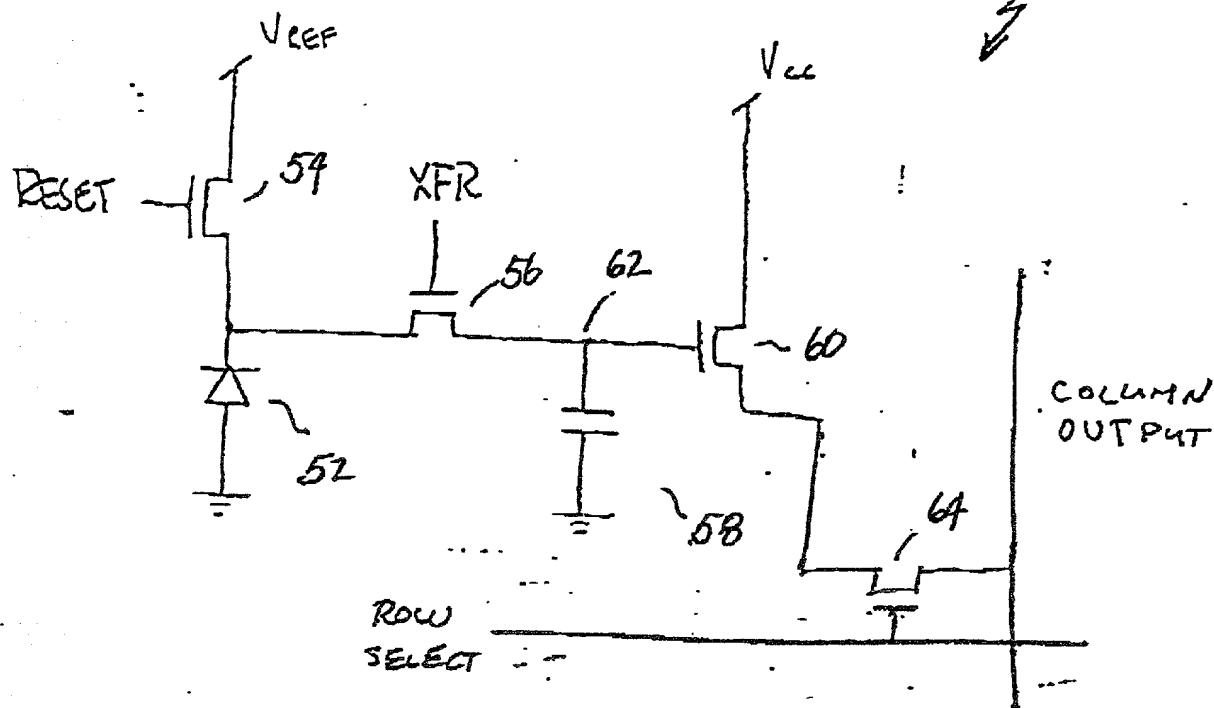


FIG. 6

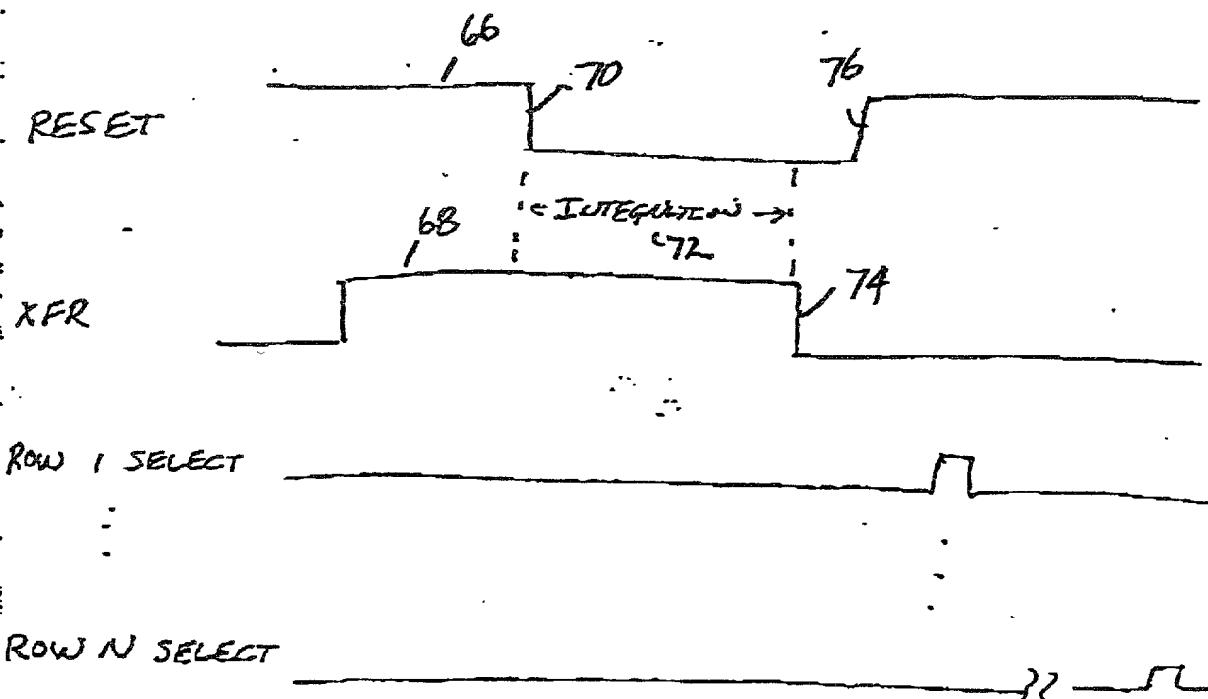


FIG 7

EJ650159895US

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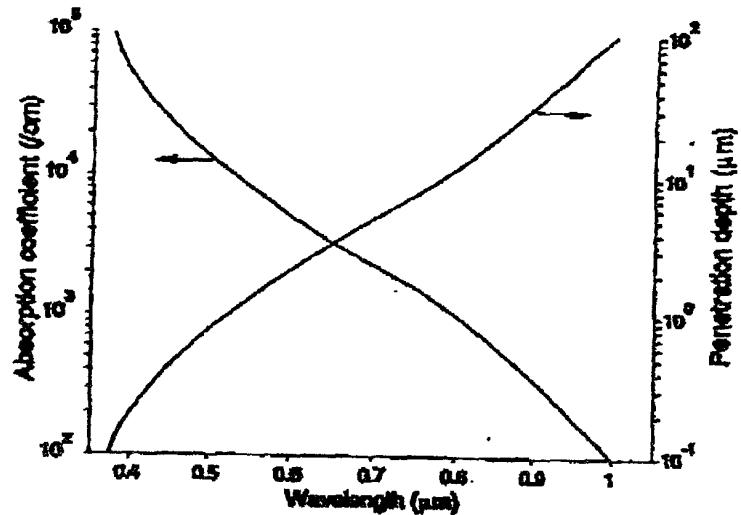


FIG. 8
(PRIOR ART)

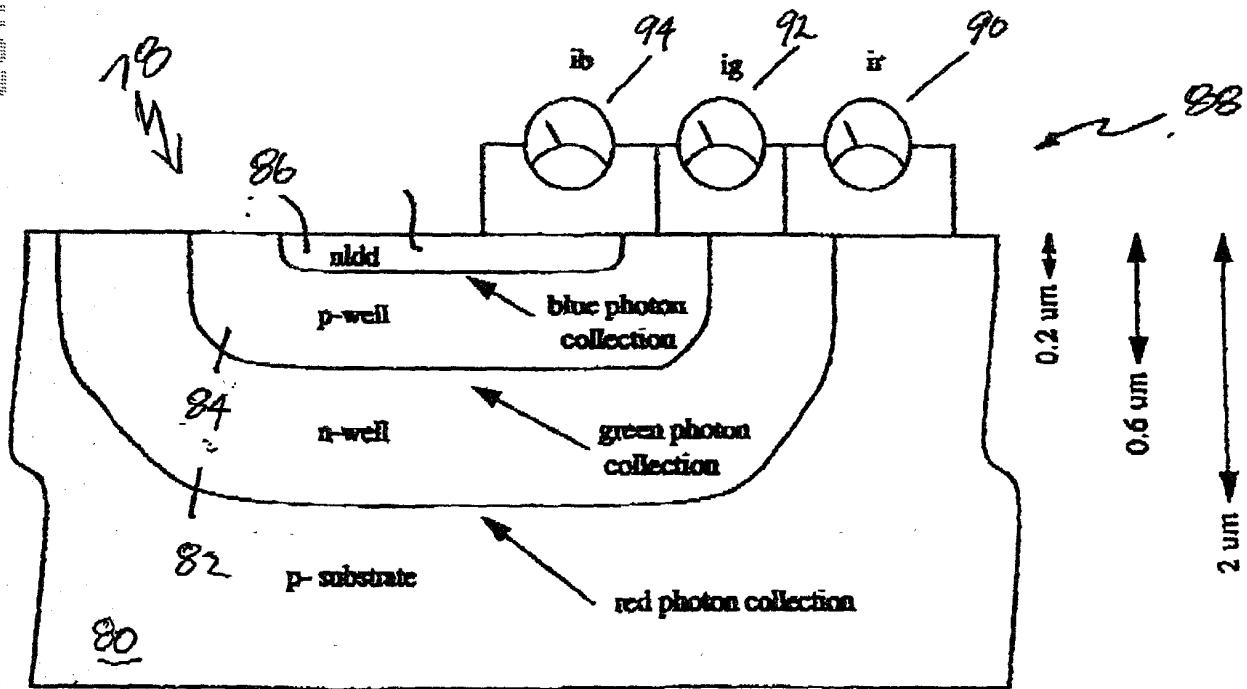


FIG. 9

EJ650159895US

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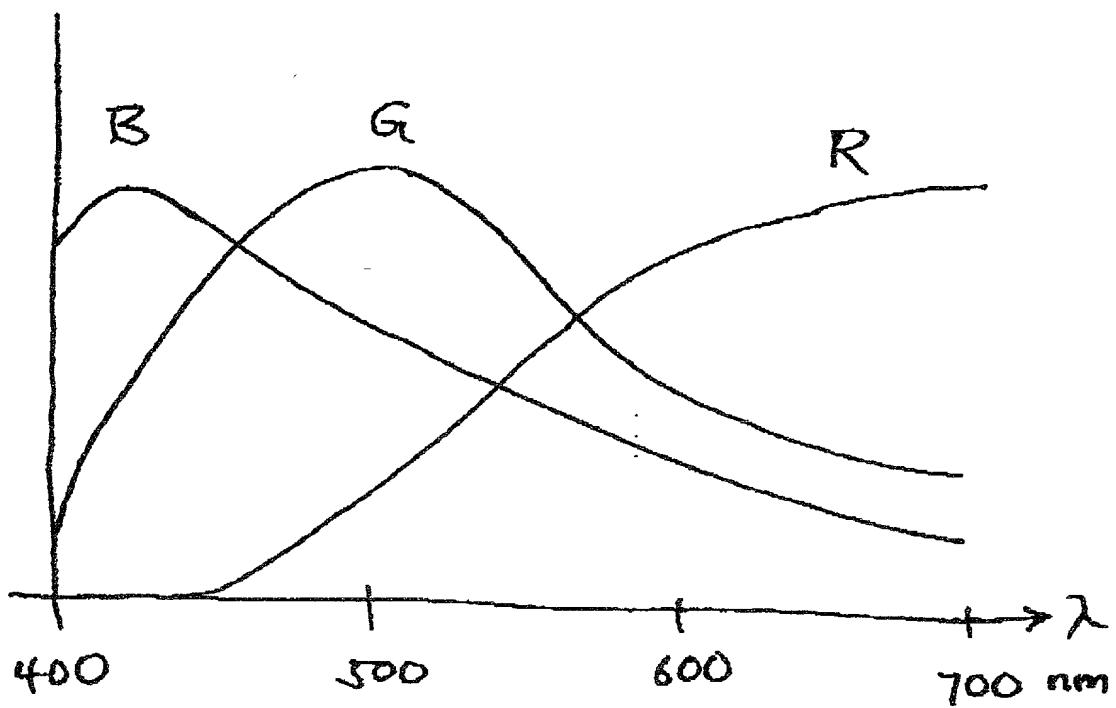


FIG. 10

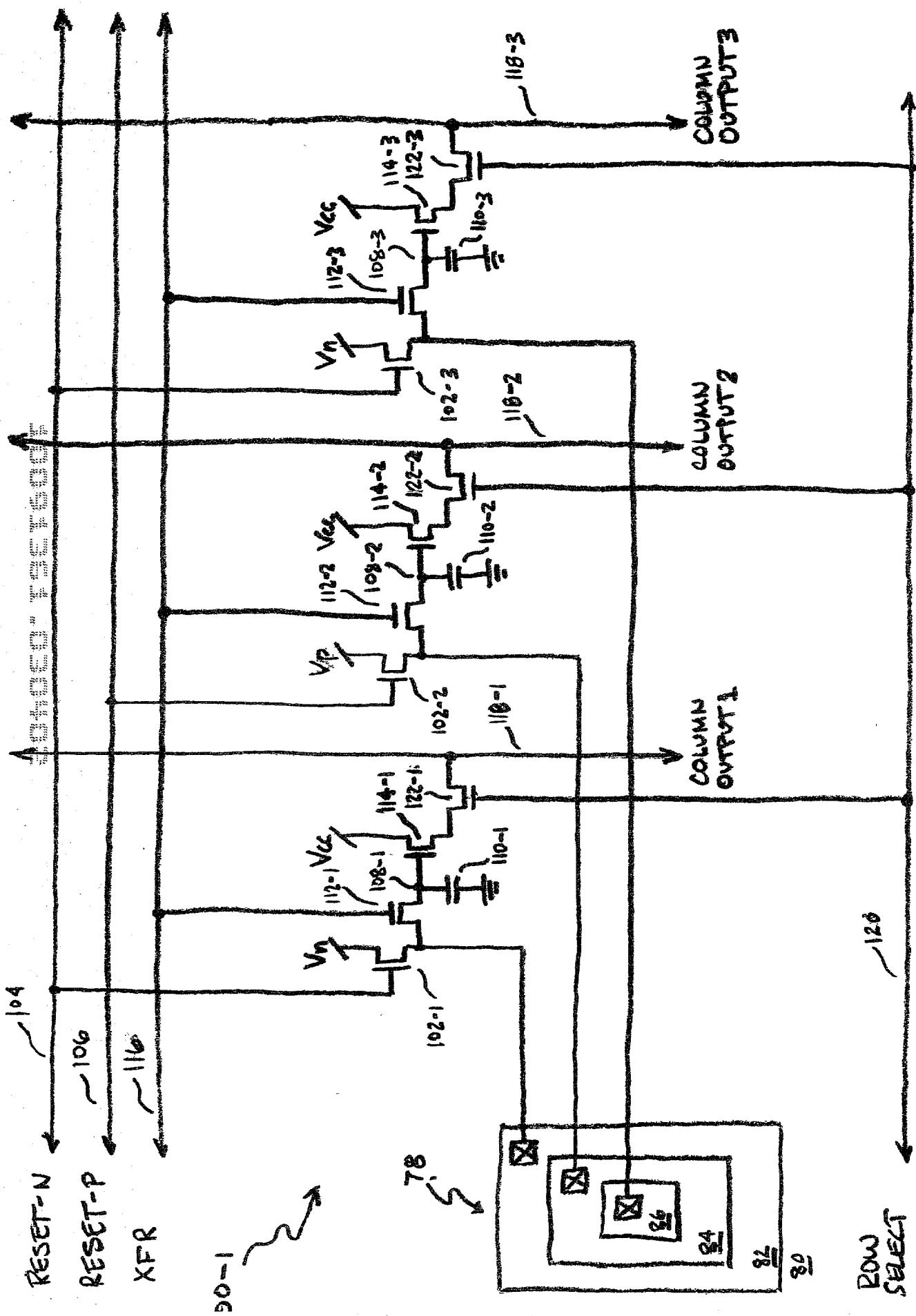


FIG. 11

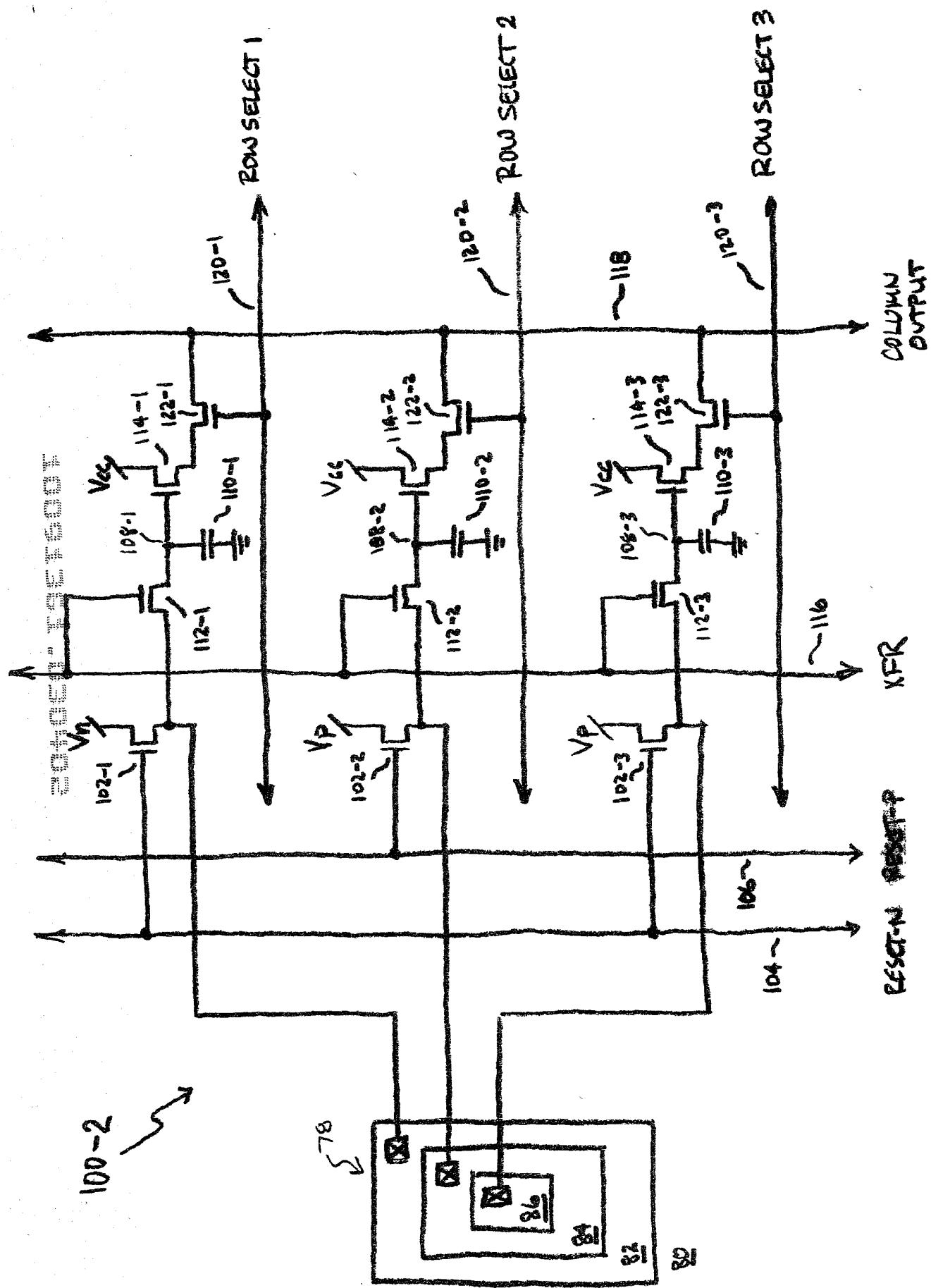


FIG. 12

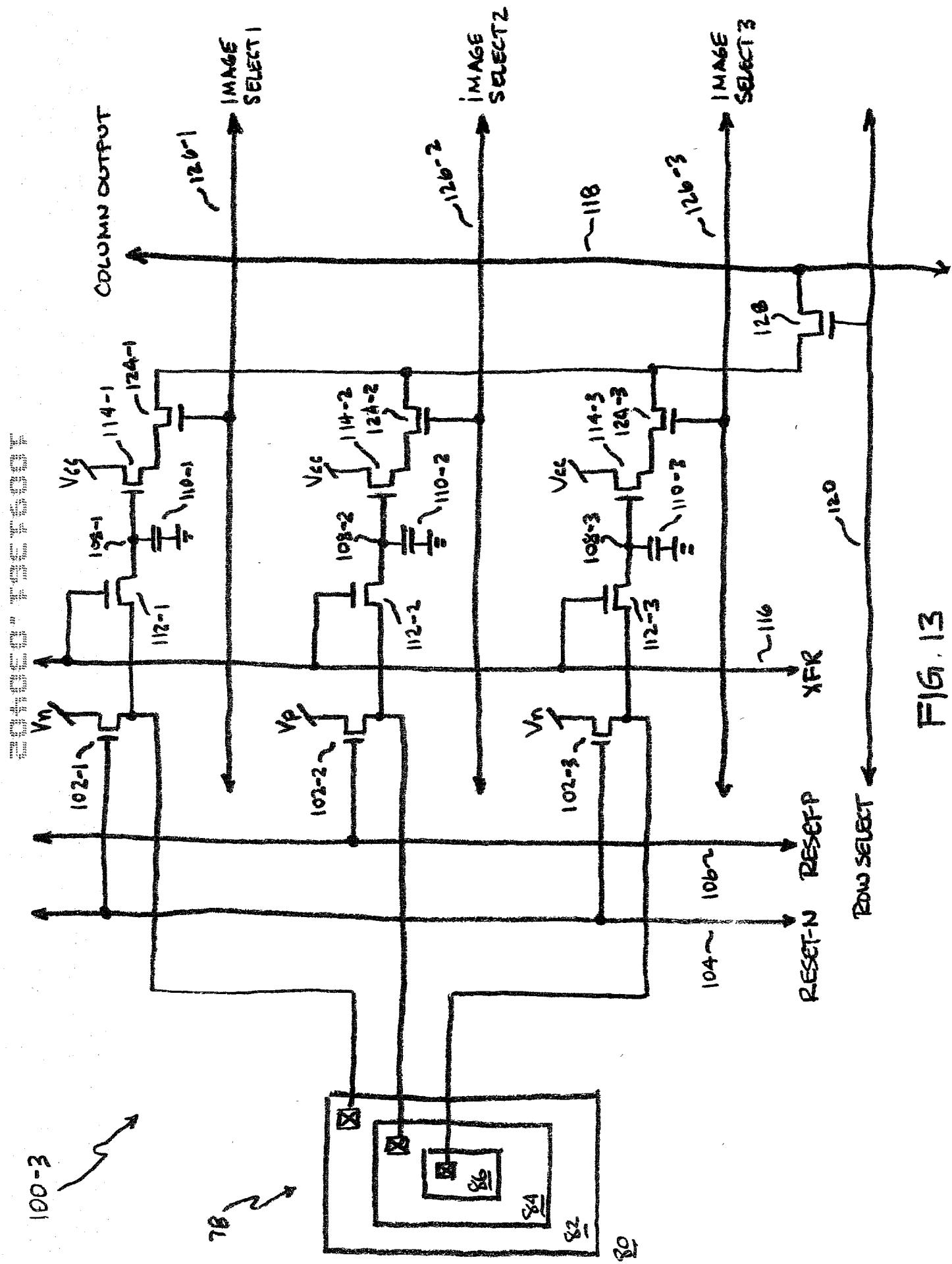
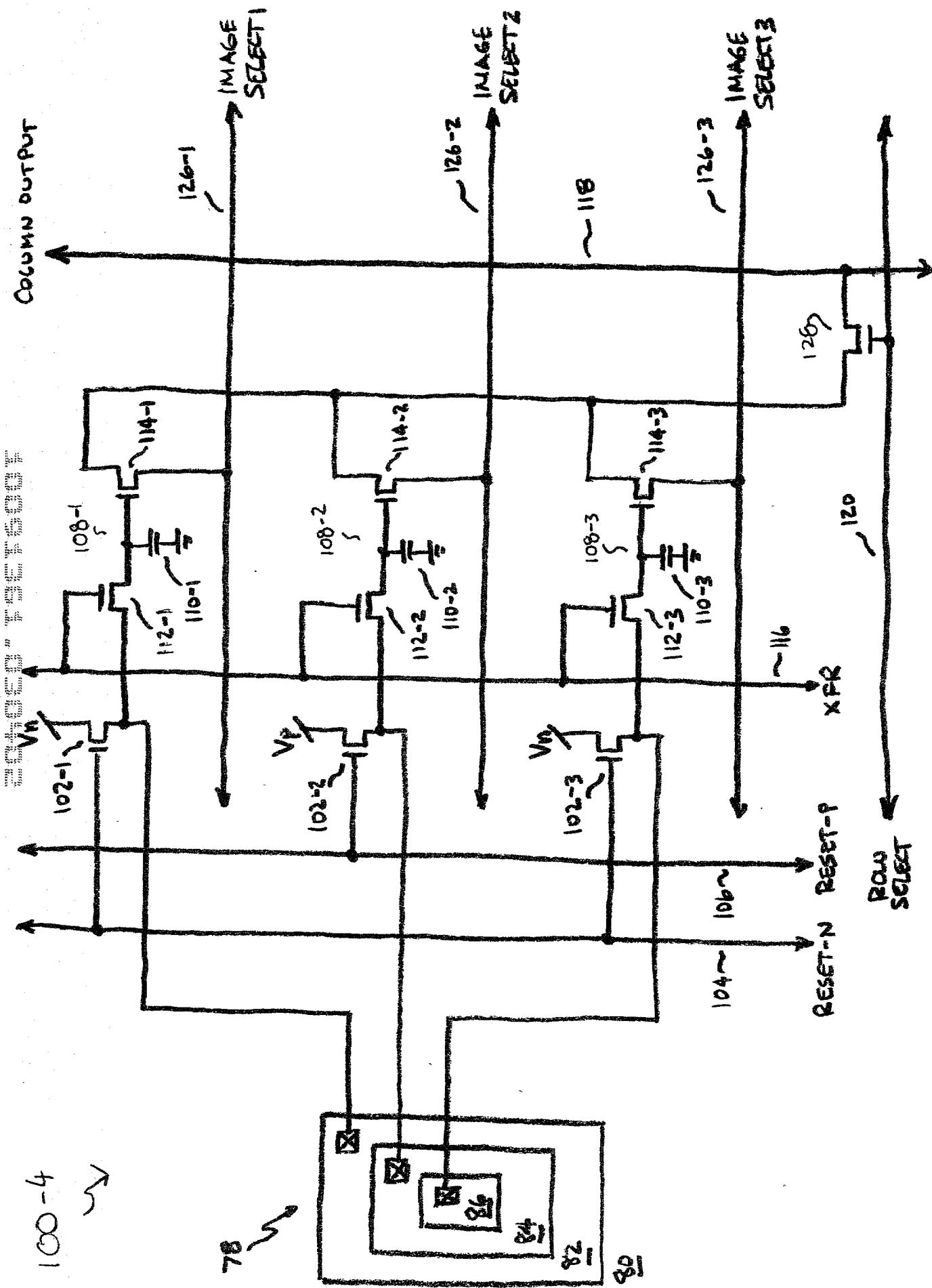
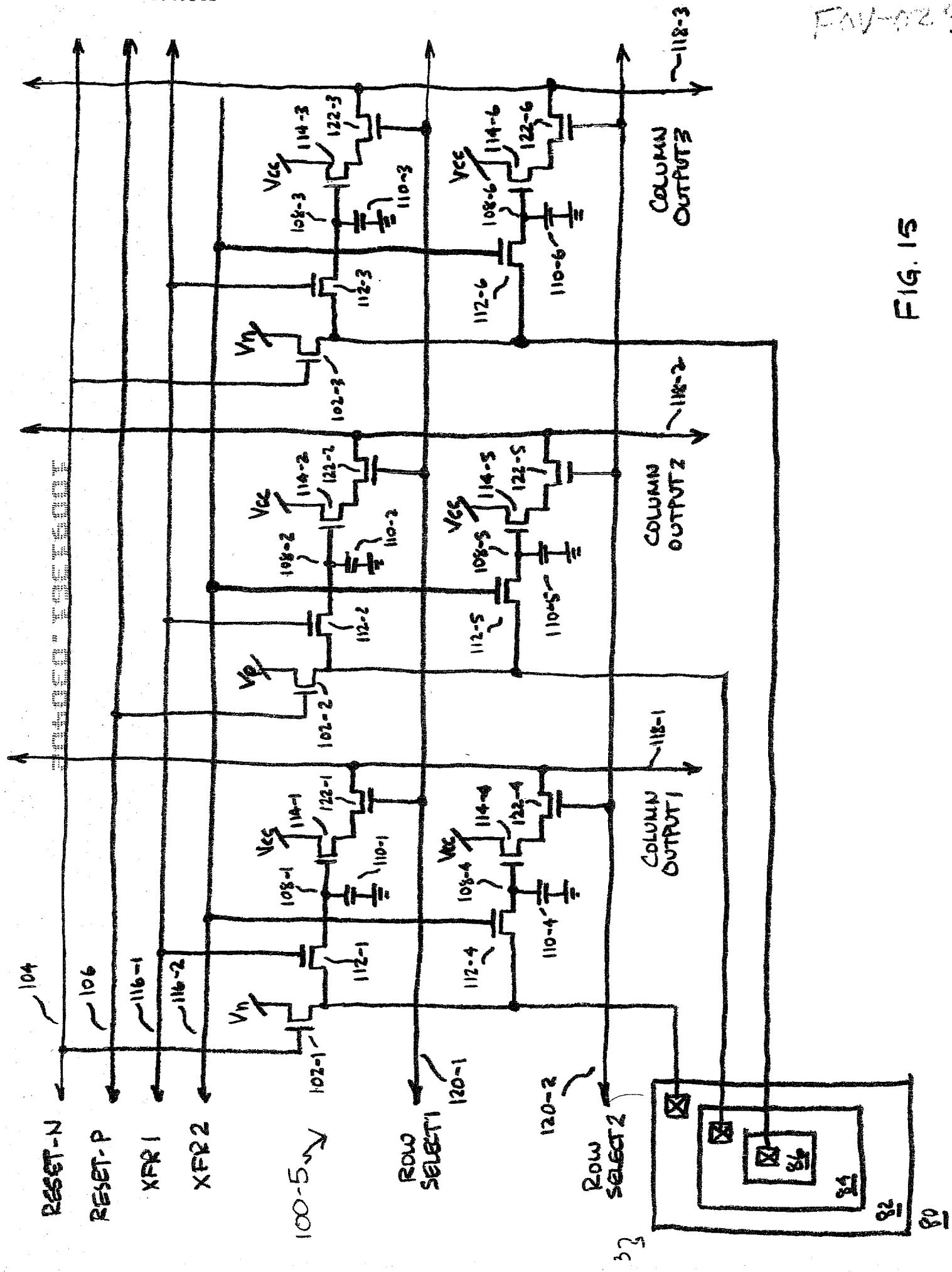


FIG. 13





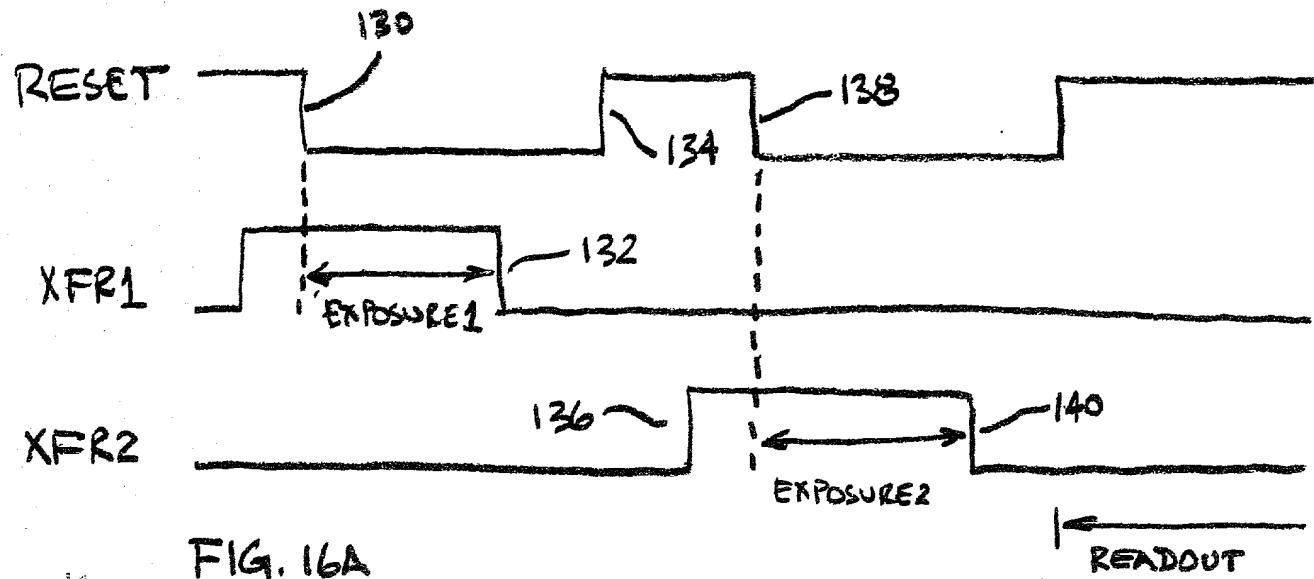


FIG. 16A

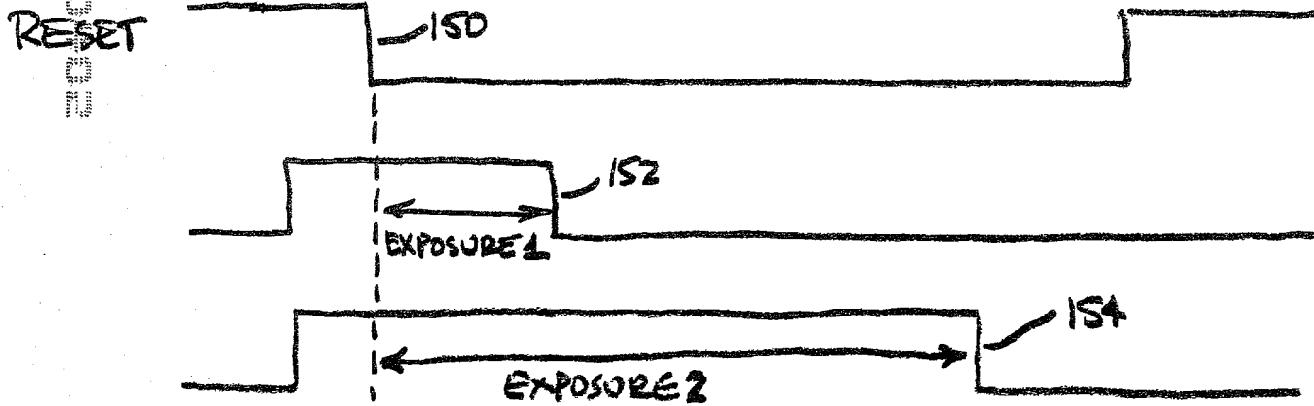


FIG. 16B

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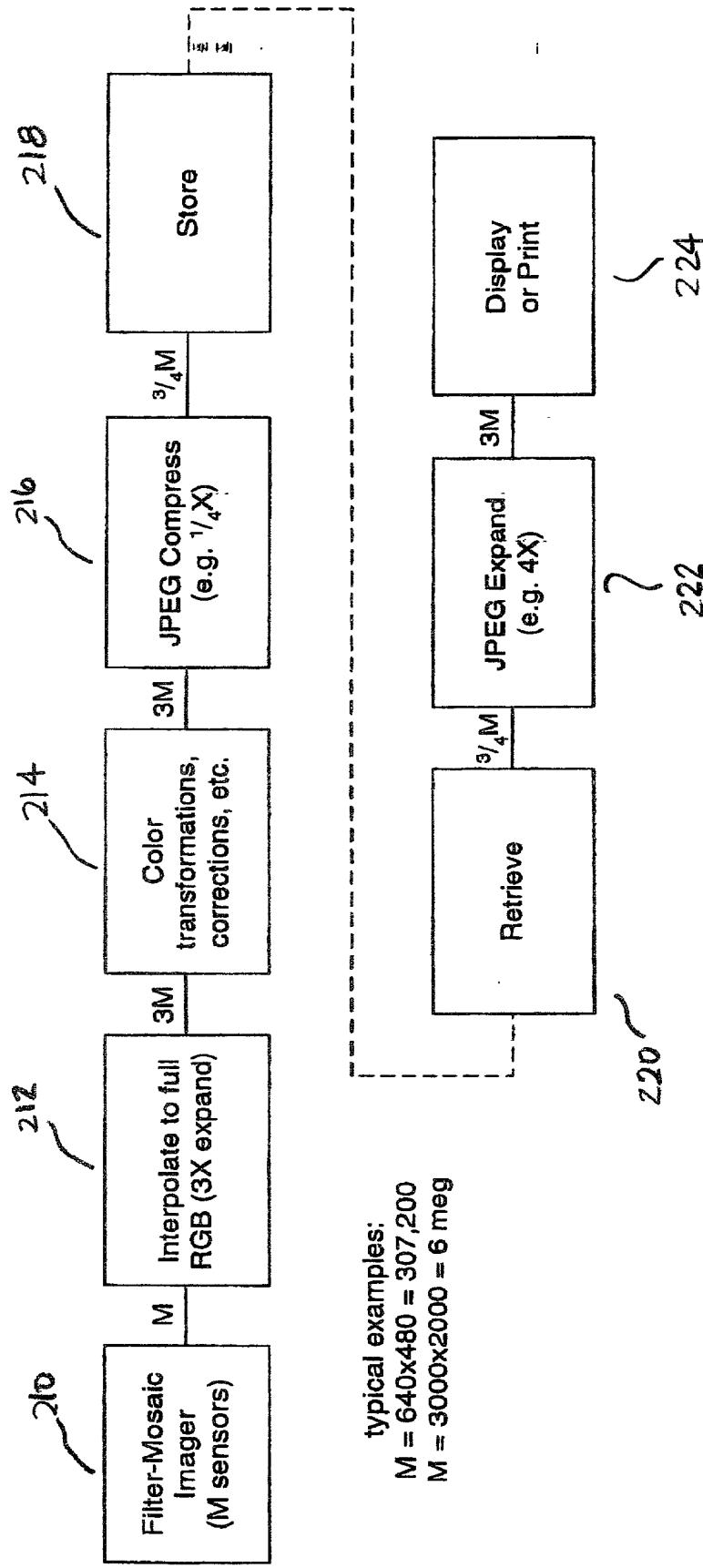
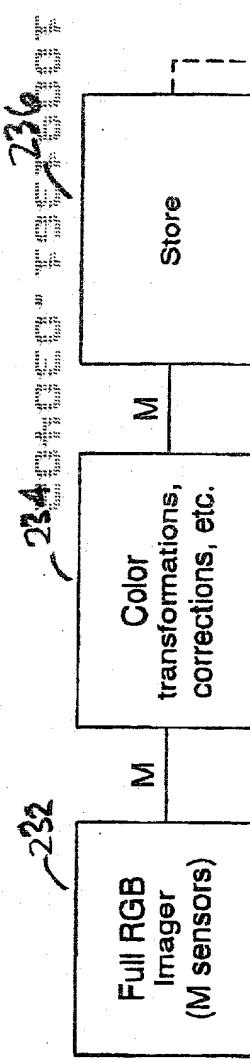


FIG. 17

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typical examples:

$$M = 640 \times 480 \times 3 = 921,600$$

$$M = 1600 \times 1250 \times 3 = 6 \text{ meg}$$

$$M = 3000 \times 2000 \times 3 = 18 \text{ meg}$$

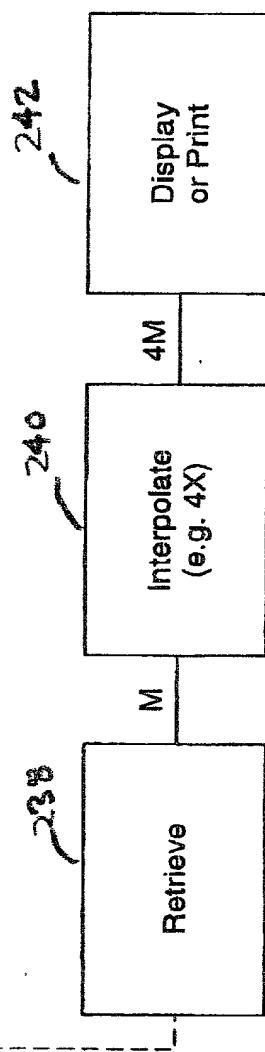


Fig. 18A

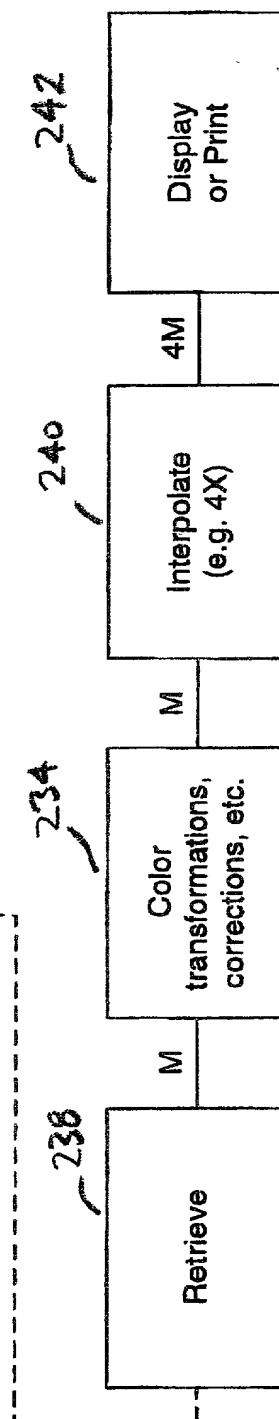
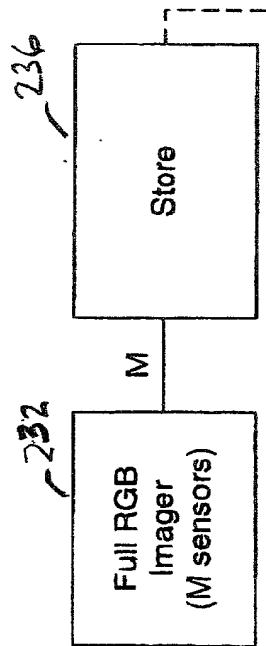
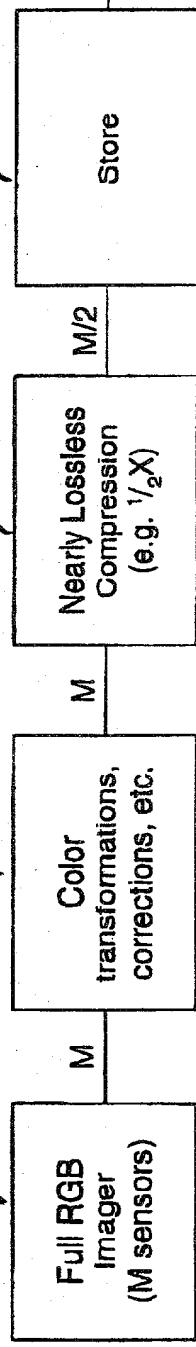


Fig. 18B

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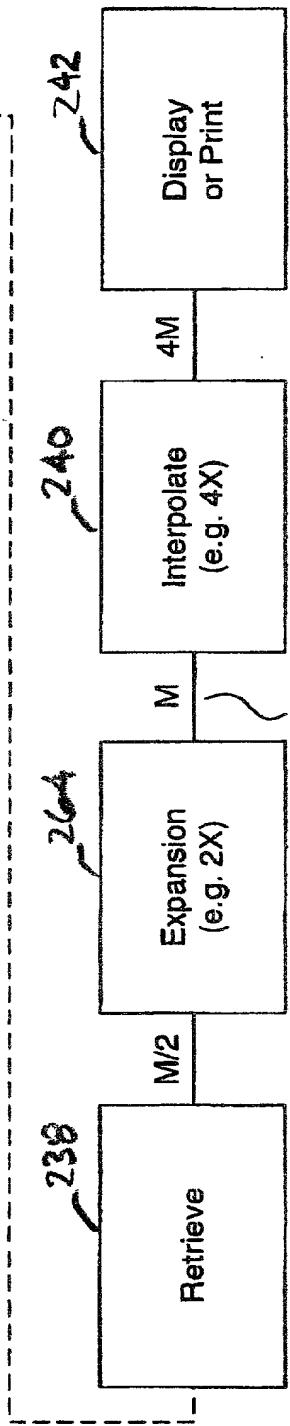
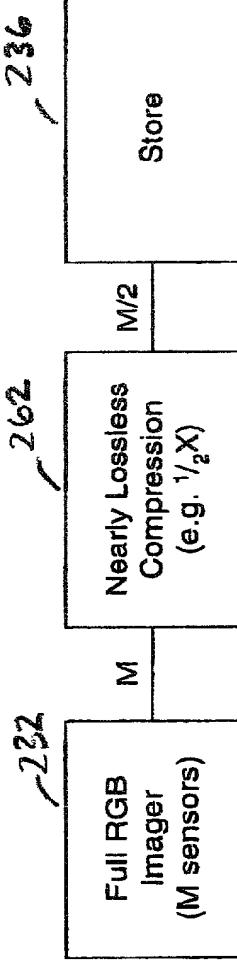


FIG. 19A



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substantially identical to
the color transformed data

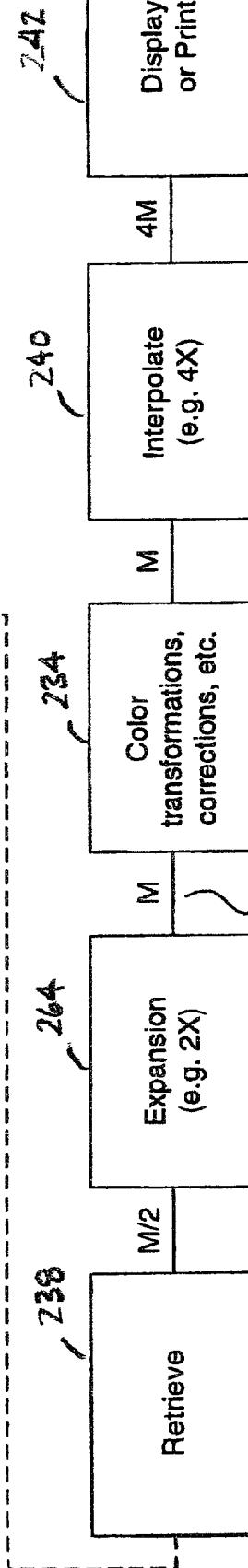


FIG. 19B

substantially identical to
the raw sensor data